CLAIMS

What is claimed is:

1   1.   A method for collecting data regarding a messaging session, the

2   method comprising:

3   intercepting an incoming message;

4   writing session information to a thread-local variable; and

5   providing the incoming message to an associated system component.

1   2.   The method of claim 1, wherein intercepting an incoming message

2   comprises intercepting an extensible markup language (XML) message wrapped in a

3   simple object access protocol (SOAP) envelope.

1   3.   The method of claim 1, wherein intercepting an incoming message

2   comprises intercepting a service request.

1   4.   The method of claim 1, wherein intercepting an incoming message

2   comprises intercepting a service response.

1   5.   The method of claim 1, wherein writing session information to a

2   thread-local variable comprises writing at least a session identification to the thread-

3   local variable.

1   6.   The method of claim 1, wherein writing session information to a

2   thread-local variable comprises writing at least one of a session identification, a source

3   name of the sender of the message, a message type, a destination name of the intended

4   recipient, and a message received time.

1   7.   The method of claim 1, wherein writing session information to a thread-

2   local variable comprises writing session information to a thread-local variable using a

3   message handler.

1   8.   The method of claim 7, wherein writing session information to a thread-

2   local variable comprises writing session information to a thread-local variable using a

3   simple object access protocol (SOAP) message handler.

1   9.   The method of claim 1, further comprising storing session information

2   in a database.

1   10.   The method of claim 1, further comprising intercepting an outgoing

2   message and performing a thread-local variable lookup so as to receive the session

3   information written to the thread-local variable.

1   11.   The method of claim 10, further comprising storing session data

2   regarding the outgoing message to a database.

1   12.   The method of claim 10, further comprising instrumenting the outgoing

2   message with session information.

1   13.   A system for collecting data regarding a messaging session, the system

2   comprising:

3   means for intercepting an incoming message;

4   means for identifying session information attached to the incoming message;

5   means for writing session information to a thread-local variable; and

6   means for providing the incoming message to an associated system

7   component.

1   14.   The system of claim 13, wherein the means for writing session

2   information to a thread-local variable comprise means for writing at least a session

3   identification to the thread-local variable.

1   15.   The system of claim 13, wherein the means for writing session

2   information to a thread-local variable comprise a message handler.

1   16.   The system of claim 15, wherein the message handler comprises a

2   simple object access protocol (SOAP) message handler.

1   17.   The system of claim 13, further comprising means for storing session

2   information.

1   18.   The system of claim 13, further comprising means for intercepting an

2 outgoing message and means for performing a thread-local variable lookup.

1   19.   The system of claim 18, further comprising means for storing session

2 data regarding the outgoing message.

1   20.   The system of claim 18, further comprising means for instrumenting

2 the outgoing message with session information.

1   21.   A system for collecting data regarding a messaging session, the system

2 comprising:

3   logic configured to intercept an incoming message directed at a system

4 component;

5   logic configured to identify session information attached to the incoming

6 message; and

7   logic configured to write session information to a thread-local variable.

1   22.   The system of claim 21, wherein the logic configured to write session

2 information to a thread-local variable comprises logic configured to write at least a

3 session identification to the thread-local variable.

1   23.   The system of claim 21, wherein the logic configured to write session

2 information to a thread-local variable comprises a message handler.

1   24.   The system of claim 23, wherein the message handler comprises a

2   simple object access protocol (SOAP) message handler.

1   25.   The system of claim 21, further comprising logic configured to store

2   session information in a database.

1   26.   The system of claim 21, further comprising logic configured to

2   intercept an outgoing message and perform a thread-local variable lookup so as to

3   receive session information written to the thread-local variable.

1   27.   The system of claim 26, further comprising logic configured to

2   instrument the outgoing message with session information.

1   28.   A message handler stored on a computer-readable medium,

2   comprising:

3   logic configured to intercept an incoming message directed at a system

4   component;

5   logic configured to identify session information attached to the incoming

6   message;

7   logic configured to write session information to a thread-local variable; and

8   logic configured to provide the incoming message to the system component.

1   29.   The message handler of claim 28, wherein the logic configured to write

2   session information to a thread-local variable comprises logic configured to write at

3   least a session identification to the thread-local variable.

1   30.   The message handler of claim 28, further comprising logic configured

2   to store session information in a database.

1   31.   The message handler of claim 28, wherein the message handler

2   comprises a simple object access protocol (SOAP) message handler.

1   32.   A message handler stored on a computer-readable medium,

2   comprising:

3   logic configured to intercept an outgoing message directed at a system

4   component;

5   logic configured to perform a thread-local variable lookup to receive session

6   information pertinent to the outgoing message;

7   logic configured to instrument the outgoing message with session information;

8   and

9   logic configured to forward the outgoing message to the system component.

1   33.   The message handler of claim 32, wherein the logic configured to

2   instrument the outgoing message comprises logic configured to instrument the

3   outgoing message with at least a session identification.

1   34.   The message handler of claim 32, further comprising logic configured

2   to store session information in a database.

1   35.   The message handler of claim 32, wherein the message handler

2   comprises a simple object access protocol (SOAP) message handler.

1   36.   A network service, comprising:

2   logic configured to process requests sent from a client;

3   a first message handler including logic configured to intercept an incoming

4   message directed at the network service and logic configured to write session

5   information to a thread-local variable; and

6   a second message handler including logic configured to intercept an outgoing

7   message sent by the network service and logic configured to perform a thread-local

8   variable lookup to receive session information pertinent to the outgoing message.